NWS	+0	КM	F-5

U.S. DEPARTMENT OF COMMERCE NOAA, NATIONAL WEATHER SERVICE

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

TO: NATIONAL WEATHER SERVICE (W/OH12x1)
HYDROMETEOROLOGICAL INFO CENTER
1325 EAST-WEST HIGHWAY, RM 7116
SILVER SPRING, MD 20910

HSA OFFICE:
Marquette, MI

REPORT FOR (MONTH/YEAR):

June 2012

DATE: **July 19, 2012**

SIGNATURE:

Robin J. Turner, MIC Justin Titus, Meteorologist Keith Cooley, Meteorologist

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (WSOM E-41).



An X inside this box indicates no flooding occurred within this Hydrologic Service Area.

June Flooding

No significant flooding was reported to the National Weather Service (NWS).

June Precipitation

June precipitation was near to slightly below normal for central Upper Michigan and over much of the Keweenaw, while the remainder of the area was near to slightly above normal. Far western Upper Michigan received greater rainfall totals due to a slow moving cold front passing through around the middle of the month. Due to the slow moving nature of the front, storms trained across the area for several hours helping to increase rainfall totals. Over the eastern sections of Upper Michigan, a low pressure system moving from southwest to northeast drifted slowly to the east of the area, during the first part of the month, allowing for an extended period of steady rainfall to occur.

Below is a chart of some of the larger cities in the Upper Peninsula, with monthly precipitation in inches, the amount of inches above or below normal for the month and any applicable record high or low rank.

Location	Precipitation	Above/Below	Rank	Snowfall	Above/Below	Rank
WFO Marquette	3.57	+0.29		0.0	0.0	
Marquette City	4.38	+1.34		0.0	0.0	
Houghton Airport	2.18	-0.96		0.0	0.0	
Ironwood	4.46	+0.45		0.0	0.0	
Iron Mountain	2.18	-1.45		0.0	0.0	
Manistique	4.64	+1.37		0.0	0.0	
Munising	5.04	+1.79		0.0	0.0	
Ontonagon	3.89	+0.84		0.0	0.0	

Other monthly precipitation totals from coop observers:

Location	Precipitation	Snowfall
	(inches)	(inches)
Amasa (Iron County)	3.63	0.0
Atlantic Mine (Houghton County)	3.30	0.0
Baraga 7NW (Baraga County)	3.50	0.0
Bergland Dam (Ontonagon County)	4.41	0.0
Big Bay (Marquette County)	3.20	0.0
Big Bay 9SW (Marquette County)	3.95	0.0
Chatham (Alger County)	4.34	0.0
Clarksburg (Marquette County)	3.45	0.0
Cooks (Schoolcraft County)	6.25	0.0
Copper Harbor (Keweenaw County)	2.96	0.0
Garden Corners (Delta County)	5.07	0.0
Gladstone (Delta County)	3.84	0.0
Greenland 6N (Ontonagon County)	3.30	0.0
Gwinn (Marquette County)	2.86	0.0
Harvey (Marquette County)	4.27	0.0
Herman (Baraga County)	4.73	0.0
Ishpeming 7NNE (Marquette County)	4.58	0.0
Jacobsville (Houghton County)	2.93	0.0
Mohawk (Keweenaw County)	3.17	0.0
Menominee (Menominee County)	2.10	0.0
Norway (Dickinson County)	2.24	0.0
Painesdale (Houghton County)	3.67	0.0
Stambaugh (Iron County)	3.75	0.0
Twin Lakes (Houghton County)	3.98	0.0
Watersmeet (Gogebic County)	4.98	0.0
Watton (Baraga County)	4.63	0.0

Drought Discussion

According to the June 26th, 2012 release of the U.S. Drought Monitor, much of Marquette, Keweenaw, and Northern Houghton Counties were classified under Moderate (D1) Drought. All other areas of Upper Michigan were classified as Abnormally Dry (D0), with the exception of the far west, the far east and south central portions of the Upper Peninsula, which were not shown to be under drought stress.

For the latest drought status, please go to http://www.drought.unl.edu/dm/monitor.html.

June Temperatures

Below is a table of some of the larger cities in the Upper Peninsula, with average monthly temperature and number of degrees above or below normal for the month, and the rank of an all-time warmest or coldest month, where applicable.

Location	Temperature	Above/Below	Rank
	(degrees)		
WFO Marquette	63.7	3.7	6
Marquette City	64.0	4.4	5
Houghton Airport	62.6	3.2	
Ironwood	64.2	2.3	
Iron Mountain	66.3	3.1	
Manistique	61.8	2.9	6
Munising	61.5	2.9	
Ontonagon	65.1	2.9	4

June River Levels

According to the United States Geological Survey, June streamflow was generally below to much below normal, except over the far west and the far east portions of the Upper Peninsula.

June Products Issued

Flood Warnings (FLW): 0
Flood Advisories (FLS): 3
River Statements (RVS): 0
Flash Flood Watches (FFA): 0
Flash Flood Warnings (FFW): 0
Flash Flood Statements (FFS): 0